BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer, Dasarahalli Division
Schedule - B

NAME OF THE WORK: Drilling of Bore wells and Providing Pump motor in Abbigere, Chikkasandra village & surrounding area in ward No 12, Shettyhalli sub Division

Sl. No	Description of work	Unit	Qty	Rate Quoted by the Contractor M/s. Inchara Constructions	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc complete as per the direction of Engineer-in-charge of the work.	Each	4.00	2016.0	Rupees Two Thousand Sixteen Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) complete as per the direction of Engineer-in-charge of the work. 0.00 to 50.00 Mtr.	Mtr	200.00	327.79	Rupees Three Hundred Twenty Seven and Seventy Nine Paise Only
3	50.00 to 100.00 Mtr.	Mtr	200.00	429.1	Rupees Four
4	100.00 to 150.00 Mtr.	Mtr	200.00	476.68	Rupees Four
5	150.00 to 200.00 Mtr.	Mtr	200.00	503.46	Rupees Five
6	200.00 to 250.00 Mtr.	Mtr	200.00	582.73	Rupees Five
7	250.00 to 300.00 Mtr.	Mtr	200.00	624.51	Rupees Six

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8	300.00 to 330.00 Mtr	Mtr	120.00	666.22	Rupees S
9	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) complete as per the direction of Engineer-in-charge of the work.	Mtr	276.00	1378.0	Rupees One Thousand Three Hundred Seventy Eight Only
10	Providing and fixing 250mm dia PVC pipe and as per specification and directions. complete as per the direction of Engineer-in-charge of the work.	Each	72.00	1178.32	Rupees One Thousand One Hundred Seventy
11	175 mm dia M.S. Casing cap complete as per the direction of Engineer-in-charge of the work.	Each	4.00	104.0	Rupees One Hundred Four
12	supply of 175mm M.S collars each complete as per the direction of Engineer-in-charge of the work.	Each	48.00	156.0	Rupees One Hundred Fifty Six
13	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000. HP 25 stage complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work.	set	4.00	72107.98	Rupees Seventy Two Thousand One Hundred Seven and Ninety Eight Paise Only
14	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe complete as per the direction of Engineer-in-charge of the work.	Rmtr	1040.00	457.5	Rupees Four Hundred Fifty Seven and Fifty Paise Only
15	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe complete as per the direction of Engineer-in-charge of the work.	Mtr	2200.00	170.86	Rupees One Hundred Seventy and Eighty Six Paise Only

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16	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) complete as per the direction of Engineer-in-charge of the work.	no	4.00	15392.0	Rupees Fifteen Thousand Three Hundred Ninety Two Only
17	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm complete as per the direction of Engineer-in-charge of the work.	Sqm Cm	88000.00	0.35	Thirty Five Paise Only
18	Providing & Fixing of clamps set and borewell cap to the pump (MR) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	1984.32	Rupees One Thousand Nine Hundred Eighty
19	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	1984.32	Rupees One Thousand Nine Hundred Eighty Four and Thirty Two Paise Only
20	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia complete as per the direction of Engineer-in-charge of the work.	No's	4.00	1984.32	Rupees One Thousand Nine Hundred Eighty Four and Thirty Two Paise Only
21	Providing and fixing of 50mm GI Short bend to motor (PWD SR-2014-15, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	241.43	Rupees Two Hundred Forty One and Forty Three Paise Only
22	Providing and fixing of 50mm GI union to the motor (PWD SR-2014-15, P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	246.6	Rupees Two Hundred Forty Six and Sixty Paise Only

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23	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) complete as per the direction of Engineer-in-charge of the work.	Per length	200.00	116.27	Rupees One Hundred Sixteen and Twenty Seven Paise Only
24	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	494.0	Rupees Four Hundred Ninety Four Only
25	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP complete as per the direction of Engineer-in-charge of the work.	No's	4.00	942.66	Rupees Nine Hundred Forty Two and Sixty Six Paise Only
26	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) complete as per the direction of Engineer-in-charge of the work.	Mtr	180.00	176.75	Rupees One Hundred Seventy Six and Seventy Five Paise Only
27	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc.. Complete sutting road surfaces complete as per the direction of Engineer-in-charge of the work.	Mtr	180.00	58.92	Rupees Fifty Eight and Ninety Two Paise Only
28	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm complete as per the direction of Engineer-in-charge of the work.	Mtr	12.00	259.23	Rupees Two Hundred Fifty Nine and Twenty Three Paise Only
29	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia complete as per the direction of Engineer-in-charge of the work.	No's	4.00	1767.48	Rupees One Thousand Seven Hundred Sixty Seven and Forty Eight Paise Only

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30	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, complete as per the direction of Engineer-in-charge of the work.	No's	4.00	282.8	Rupees Two Hundred Eighty Two and Eighty Paise Only
31	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR) complete as per the direction of Engineer-in-charge of the work.	No's	4.00	1404.0	Rupees One Thousand Four Hundred Four Only
32	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia complete as per the direction of Engineer-in-charge of the work.	No's	12.00	1587.46	Rupees One Thousand Five Hundred Eighty Seven and Forty Six Paise Only
33	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches complete as per the direction of Engineer-in-charge of the work.	No's	4.00	324.04	Rupees Three Hundred Twenty Four and Four Paise Only
34	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications complete as per the direction of Engineer-in-charge of the work.	Cum	1432.08	328.62	Rupees Three Hundred Twenty Eight and Sixty Two Paise Only
35	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete complete as per the direction of Engineer-in-charge of the work.	Mtr	2652.00	111.4	Rupees One Hundred Eleven and Forty Paise Only
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications complete as per the direction of Engineer-in-charge of the work.	Cum	1432.08	133.39	Rupees One Hundred Thirty Three and Thirty Nine Paise Only

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